ABSTRACT

A phosphorescent phosphor having excellent afterglow luminance characteristics, even under low illumination intensity of radiation conditions, compared to conventional strontium aluminate phosphorescent phosphors of the same type, and particularly a phosphorescent phosphor having excellent initial afterglow luminance characteristics, with following requirements: $0.015<Eu/(Sr+Eu+Dy) \leq 0.05$, $0.4 \leq Dy/Eu \leq 2$, and $2.02 \leq Al/(Sr+Eu+Dy) \leq 2.4$.